MULTIMEDIA	(6)	UNIVERSITY
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	8101	NO.	

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2016 / 2017 SESSION

PPE0044 - BASIC MICROECONOMICS

(Foundation in Business)

4 MARCH 2017 9.00 A.M. – 11.00 A.M. (2 Hours)

INSTRUCTIONS TO STUDENT

- 1. This question paper consists of TEN (10) pages.
- 2. Answer ALL the questions in Sections A and B.
- 3. Shade your answers for **Section A** on the OMR sheet. Write your answers for **Section B** in the Answer Booklet.

SECTION A: MULTIPLE-CHOICE QUESTIONS [40 MARKS]
Instructions: Answer ALL questions in this section. Shade your answers on the OMR sheet.

1.	to pay RM6 for a pair of	f wool hand warmers a can conclude that his p	ens one of his suppliers that he is willing and not more than the stated price. Based price elasticity of demand for wool hand	
2.	price	of the demand curve demanded divided by t in quantity demande		
3.	Which of the following A. petrol B. iPhones C. bus rides D. diabetes medication		st to having a perfectly inelastic demand?	
4.	household income was and Mike purchased 80	RM30,000. This year, pounds of potatoes. A pes is	atoes to feed his family of five when his his household income fell to RM20,000 all else constant, Mike's income elasticity Mike considers potatoes to be a (n)	,
5.	. Two goods are consicomputers and softwar A. substitutes B. complement C. normal goods D. inferior goods		if the cross elasticity of demand for	•

6.	A decrease in the price of the product if the demand for a product is inelastic. A. will increase total revenue B. will decrease total revenue C. will not change total revenue D. all of the above
7.	Suppose that the price of a product increases from RM0.75 to RM0.90 and quantity supplied rises from 8,000 units to 10,000 units. Use the midpoint formula to calculate the price elasticity of supply. A. 0.07 B. 0.82 C. 1.0 D. 1.22
8.	Inelastic supply occurs whenever the elasticity of supply value is A. positive and > 1 B. positive and < 1 C. negative and < -1 D. any positive number
9.	The more the demand is for a product, the tax revenue that will be raised by taxing the product. A. elastic; more B. inelastic; more C. inelastic; less D. tax revenues are unrelated to a product's price elasticity of demand
10	 Nancy is consuming X and Y with her MU_X/P_X = 6 and MU_y/P_y = 10. In order to maximise utility, she should A. consume more X and less Y B. consume less X and more Y C. consume less of both X and Y D. continue to consume the same amount of X and Y since he is already maximizing utility

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Refer to Exhibit 1 for question no.11.

Quantity (boxes)	Total Utility (TU)	Marginal Utility (MU)
0	0	-
1	30	30
2	50	20
3	A	16
4	В	12
5	86	C

Exhibit 1

 11. Exhibit 1 shows Adam's utility from popcoms. Adam's total utility from four boxes of popcorn is A. 66 B. 70 C. 78 D. 82
 12. The principle of diminishing marginal utility means that the consumer surplus from the second slice of cake is A. less than from the first B. greater than from the first C. equal to that from the first D. not comparable to that from the first
13. The substitution and income effects of a price decrease will for normal goods. A. not change the quantity demanded B. both increase the quantity demanded C. both decrease the quantity demanded D. increase then decrease the quantity demanded
 14. When a consumer's indifference curve his budget constraint, it is shows that the consumer satisfies the condition MU_X/P_X = MU_y/P_y. A. crosses B. is just tangent to C. is completely below D. is completely above
 15. Carl can buy either tarts or pancake. If the prices of tarts and pancake triple and so does Carl's money income, we can conclude that Carl's budget constraint will A. remain unchanged B. shift in but remain parallel to the old one C. shift out but remain parallel to the old one D. move in so that the slope of the budget constraint is tripled

Refer to Exhibit 2 for question no. 16.

Region	Money income (RM)	Price of bread (RM)	Price of pizza (RM)
A	100	20	2
B	50	10	5
C	25	5	4

Exhibit 2

 16. Exhibit 2 shows money income for three regions. In terms of units of bread, the real income is A. equal in all three regions B. lower in region A than in regions B and C C. lower in region B than in regions A and C D. lower in region C than in regions A and B
17. Diminishing marginal returns implies A. increasing marginal costs B. decreasing marginal costs C. decreasing average fixed costs D. decreasing average variable costs
18 if marginal product is greater than average product. A. Average product must be decreasing B. Marginal product must be increasing C. Marginal product must be decreasing D. Marginal product could either be increasing or decreasing
 19. The Lawn Ranger, a landscaping company, has total costs of RM4,000 and total variable costs of RM1,000. The Lawn Ranger's total fixed costs are
20. A firm will begin to experience diminishing returns at the point where A. marginal cost increases B. marginal cost decreases C. both B and C are correct D. marginal product increases
21. Average variable cost and average total costs get closer together as output increase because A. diminishing returns set in B. economies of scale become apparent C. marginal costs decrease as output increases D. average fixed costs decrease as output increases
Continued

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a	n the short run when the marginal product of labour, the marginal cost of n additional unit of output
	. falls; rises
	rises; rises
	falls; falls
D	. rises; doesn't change
_	or economies of scale, a(n) in a firm's scale of production leads to average total cost.
	increase; lower
	decrease; lower
	increase; higher
ט	. decrease; no change in
	The marginal revenue of an individual firm in a perfect competition narket.
Α	. is zero
	equals its average revenue
	exceeds its average revenue
D	is positive but less than its average revenue
p A	as new firms enter in an industry, during the transition from short run to long run the rice and the economic profit for each existing firm a. falls; increases b. rises; increases
(C. falls; decreases
Γ	D. rises; decreases
n A E	f a competitive firm is producing a level of output where marginal revenue exceeds narginal cost, the firm could increase profits if it i. increase production decrease production temporarily shutdown maintains production at the current level
pe: pri bu	ou are hired as an economic consultant to The Rainbow Stationery Shop which is a refectly competitive firm. This firm is currently producing at a point where market ce equals its marginal cost. The Shop's total revenue exceeds its total variable cost, it is less than its total cost. You should advise the firm to Taise its price until it breaks even
	lower its price so that it can sell more units of output
	cease production immediately because it is incurring a loss
	produce in the short run to minimise its loss, but exit the industry in the long run
28. Pu	blic franchises create monopolies by restricting
	. price
	. entry
C	. profit
D	demand
	Continued

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29. Marginal revenue i demand is inelastic f A. positive; positiv B. positive; negativ C. negative; positiv D. negative; negativ	for a monopoly. The second se	demand is elastic a	and when
Refer to Exhibit 3 for q	uestion no.30.		
	Price (RM)	Quantity (units)	
	10	1	1
	9	2	
	8	3	

	Exhibit 3
30.	Exhibit 3 shows the price and quantity for a monopoly firm. Suppose that this firm has a constant marginal and average cost of RM2 per unit of providing the product. The firm will maximise its profits by charging per unit and selling units of output. A. RM5; 6 B. RM6; 5 C. RM7; 4 D. RM8; 3
31.	The inefficiency associated with monopoly is due to A. the monopoly's losses B. the monopoly's profits C. overproduction of the good D. underproduction of the good
32	Compared to a monopoly, the output of a perfectly competitive industry with the same costs is the monopoly's output. A. less than B. more than C. the same as D. not comparable to
33	All of the following are examples of price discrimination EXCEPT A. student discounts at museums B. mattress sales on Memorial Day C. children's discounts at amusement parks D. rental car companies charging lower prices to local residents than to out-of-state

i A E	The social cost associated with the misrepresentation in consumption from a monopoly price is A. marginal cost B. deadweight loss C. patent protection D. government failure
n A E	Which of the following is NOT an example of a monopolistically competitive narket? A. Supermarkets B. Toothpaste producers C. Automobile producers D. Makers of women's clothing
e A H	A monopolistically competitive firm that is earning profits will, in the long run, experience all of the following EXCEPT A. new rivals entering the market B. a decrease in demand for its product C. a decrease in the number of rival products D. demand for the firm's product becomes more elastic
c c A F	Suppose Matthew owns a small bakery. Matthew wants to maximise his profit and he lecides he needs to produce a quantity of bread which will minimise his average total cost. Will Matthew's strategy necessarily maximise profits for his bakery? A. Not necessarily; This strategy will only maximise Jason's profit in the long run, but not in the short run. B. No; In order to maximise profit, Jason would never want to produce the quantity where average total cost is minimised. C. Not necessarily; Depending on demand, Jason may maximise profit by producing a quantity other than that where average total cost is at a minimum. D. Yes; Since Jason's bakery is in a perfectly competitive market, the only way to maximise profit is to produce the quantity where average total cost is minimised.
r C H (n long-run equilibrium, compared to a perfectly competitive market, a monopolistically competitive industry produces a level of output and charges a price. A. lower; lower B. lower; higher C. higher; lower D. higher; higher
; ; ;	According to the kinked demand curve theory, each firm believes that if it lowers its price A. other firms will not lower theirs B. other firms will also lower theirs C. the government will impose a minimum price D. the government will impose a maximum price

ÇC

 40. The music streaming industry, where a firm's profitability depends on its interactions with other firms, is an example of A. oligopoly B. monopoly C. perfect competition D. monopolistic competition
SECTION B: STRUCTURED QUESTIONS [60 MARKS] Instructions: Answer ALL questions in this section. Write your answers in the Answer Booklet.
Question 1 Part A The Harrison family consumes 3 pounds of fish and 5 pounds of chicken per month. The
price of fish is RM8 per pound and chicken is RM4 per pound.
a) What is the amount of income allocated to fish and chicken consumption? (1 mark)
b) What is the relative price of fish?
c) Explain the meaning of relative price of fish you have calculated.
d) If Harrison family maximise their utility, what is the ratio of the marginal utility of fish to the marginal utility of chicken?
(2.5 marks) e) If the price of chicken rises, will the Harisson family consume more chicken, less chicken, or the same amount of chicken? Briefly explain.
(3 marks)
Part B Betty has RM100 to spend each month on bread and chicken. Suppose the price of bread is RM4 a loaf and the price of chicken is RM5 per pound.
a) Draw her budget constraint and label it BC ₀ . Put bread on the horizontal axis and chicken on the vertical axis. Be sure to identify the intercept values.
(2.5 marks) b) Suppose Betty is maximising her utility and she consumes 10 loaves of bread and 12 pounds of chicken. On the same graph you drew in part draw an indifference curve to identify her optimal bundle. Label this bundle "E."
c) Is her budget exhausted? Verify your answer. (2 marks)
d) Now suppose Betty's income falls to RM80. Prices however remain unchanged. In the

(1.5 marks)

any new intercept values.

same diagram, graph her new budget constraint and label it BC1. Be sure to identify

e) Following the change in income, can Betty consume the same bundle "E"? Explain your answer.

(1.5 marks)

f) What must happen to her total utility following the decrease in her income?

(1 mark)

[TOTAL 20 MARKS]

Question 2

Part A

Jack operates a small boat factory. He can make ten boats per year and sell them for RM25,000 each. It costs Jack RM150, 000 for the raw materials to build the ten boats. Jack has invested RM400,000 in the factory and equipment needed to produce the boats: RM200,000 from his own savings and RM200,000 borrowed at 10% interest (assume that Jack could have loaned his money out at 10%). Jack can work at a competing boat factory for RM70,000 per year.

a) What is the total revenue Jack can earn in a year?

(1 mark)

b) What are the explicit costs Jack incurs while producing ten boats?

(1.5 marks)

c) What is the value of Jack's accounting profit?

(1.5 marks)

d) What is the value of Jack's economic profit?

(1.5 marks)

Part B
Exhibit 4 shows sweater manufacturing plant cost function. The fixed costs of producing the sweater are RM16.

Quantity	Variable cost (RM)	Total cost (TC)	Average fixed cost (AFC)	Average variable cost (AVC)	Average total cost (ATC)	Marginal cost (MC)
0	0	16				
1	18	34				
2	31	47				
3	41	57		:		
4	49	65				
5	59	75				
6	67	86				

Exhibit 4

Based on Exhibit 4,

a) calculate AFC, AVC, ATC and MC.

(12 marks)

b) explain the relationship between ATC and MC.

(1.5 marks)

c) what is the efficient scale? How do you identify the efficient scale? Explain.

(1 mark)

[TOTAL 20 MARKS]

Question 3

Exhibit 5 contains information about the revenues and costs for Nina's Basketball Manufacturing. Assuming Nina's Basketball manufacturing is a perfect competitive firm. The price for the basketball will be RM3.

Quantity	Total Revenue (TR), P = RM3	Total Cost (TC) RM	Profit (RM)	Marginal Revenue (MR) RM	Marginal Cost (MC) RM
0		1			
1		2			
2		4			
3		7			
4		11			
5		16		-	

Exhibit 5

Based on the above,

a) complete Exhibit 5 in the answer booklet provided.

(9 marks)

b) what is the profit-maximising level of production? State the reason for your answer.

(2 marks)

c) if Nina charges RM3 per basketball, is she at a short run or long run equilibrium?

(1 mark)

d) suppose that the price of basketball falls to RM2. Calculate the total revenue (TR) and profits at each level of output as in *Exhibit 5*.

(6 marks)

e) which price will Nina benefit more? Why?

(2 marks)

[TOTAL 20 MARKS]

End of paper